



\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



| FORM PTO-1449 (Modified)<br>(REV. 7-80)   |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE         |   |      |   |   |   |   | ATTY. DOCKET NO. |                   | APPLICATION NO. |             |                            |
|---|----|--|---|------|---|---|---|---|------------------|-------------------|-----------------|-------------|----------------------------|
|   |    |  |   |      |   |   |   |   | 76539.0040       |                   | 09/838,781      |             |                            |
| LIST OF REFERENCES CITED BY APPLICANT<br><br>(Use several sheets if necessary)  |    |  |   |      |   |   |   |   |                  | APPLICANT         |                 |             |                            |
|   |    |  |   |      |   |   |   |   |                  | Hank J. HUNDEMER  |                 | FILING DATE |                            |
|   |    | 04/20/2001   |   | 2666 |   |   |   |   |                  |                   |                 |             |                            |
| U.S. PATENT DOCUMENTS   |    |  |   |      |   |   |   |   |                  |                   |                 |             |                            |
| *EXAMINER INITIALS  |    | DOCUMENT NUMBER  |   |      |   |   |   |   | DATE             | NAME              | CLASS           | SUBCLASS    | FILING DATE IF APPROPRIATE |
| JD  | 15 | 5  | 8 | 5    | 2 | 4 | 3 | 7 | 12/1998          | Wugofski et al.   | 345             | 327         |                            |
|   | 16 | 5  | 9 | 2    | 3 | 3 | 7 | 9 | 7/1999           | Patterson         | 348             | 565         |                            |
|   | 17 | 5  | 9 | 8    | 7 | 5 | 1 | 8 | 11/1999          | Gotwald           | 709             | 230         |                            |
|   | 18 | 5  | 9 | 9    | 1 | 8 | 0 | 0 | 11/1999          | Burke et al.      | 709             | 218         |                            |
|   | 19 | 5  | 9 | 9    | 5 | 1 | 5 | 5 | 11/1999          | Schindler et al.  | 348             | 461         |                            |
|   | 20 | 6  | 0 | 0    | 6 | 2 | 5 | 6 | 12/1999          | Zdepski et al.    | 709             | 217         |                            |
|   | 21 | 6  | 0 | 1    | 6 | 3 | 8 | 8 | 1/2000           | Dillon            | 395             | 200.72      |                            |
|   | 22 | 6  | 0 | 4    | 9 | 5 | 3 | 9 | 4/2000           | Lee et al.        | 370             | 355         |                            |
|   | 23 | 6  | 0 | 6    | 1 | 7 | 1 | 9 | 5/2000           | Bendinelli et al. | 709             | 218         |                            |
| JD  | 24 | 6  | 1 | 1    | 5 | 7 | 5 | 0 | 9/2000           | Dillon et al.     | 709             | 235         |                            |
| FOREIGN PATENT DOCUMENTS  |    |  |   |      |   |   |   |   |                  |                   |                 |             |                            |
|   |    | DOCUMENT NUMBER  |   |      |   |   |   |   | DATE             | COUNTRY           | CLASS           | SUBCLASS    | TRANSLATION                |
|   |    |  |   |      |   |   |   |   |                  |                   |                 |             | YES                        |
|   |    |  |   |      |   |   |   |   |                  |                   |                 |             | NO                         |
| RECEIVED<br>FEB 27 2002<br>Technology Center 2600   |    |  |   |      |   |   |   |   |                  |                   |                 |             |                            |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)  |    |  |   |      |   |   |   |   |                  |                   |                 |             |                            |
| JD  | 25 | John Yum, "Skystream Networks – Turbo Internet Case Study", 7/2001 |   |      |   |   |   |   |                  |                   |                 |             |                            |
| JD  | 26 | Donald F. Robertson, "Tweaking", 2/2001                            |   |      |   |   |   |   |                  |                   |                 |             |                            |
| EXAMINER  |    | <i>JD</i>  |   |      |   |   |   |   | DATE CONSIDERED  |                   | 10/22/04        |             |                            |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant. |    |  |   |      |   |   |   |   |                  |                   |                 |             |                            |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

| FORM PTO-1449 (Modified)<br>(REV. 7-80)   |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |   |   |   |   |   |   | ATTY. DOCKET NO. |                  | APPLICATION NO. |          |                            |
|---|----|--|---|---|---|---|---|---|------------------|------------------|-----------------|----------|----------------------------|
|   |    |  |   |   |   |   |   |   | 76539.0040       |                  | 09/838,781      |          |                            |
|   |    |  |   |   |   |   |   |   | APPLICANT        |                  |                 |          |                            |
|   |    |  |   |   |   |   |   |   | Hank J. HUNDEMER |                  |                 |          |                            |
|   |    |  |   |   |   |   |   |   | FILING DATE      |                  | GROUP           |          |                            |
|   |    |  |   |   |   |   |   |   | 04/20/2001       |                  | 2666            |          |                            |
| <b>LIST OF REFERENCES CITED BY APPLICANT</b><br>(Use several sheets if necessary)   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
| FEB 25 2002   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
| PATENT & TRADEMARK OFFICE   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
| <b>U.S. PATENT DOCUMENTS</b>  |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
| *EXAMINER INITIAL   |    | DOCUMENT NUMBER  |   |   |   |   |   |   | DATE             | NAME             | CLASS           | SUBCLASS | FILING DATE IF APPROPRIATE |
| TD  | 27 | 6  | 1 | 3 | 0 | 8 | 9 | 8 | 10/2000          | Kostreski et al. | 370             | 522      |                            |
|   | 28 | 6  | 1 | 4 | 1 | 3 | 3 | 3 | 11/2000          | Chavez, Jr.      | 370             | 338      |                            |
|   | 29 | 6  | 1 | 4 | 4 | 9 | 9 | 8 | 11/2000          | Pisterzi         | 709             | 219      |                            |
|   | 30 | 6  | 1 | 9 | 9 | 2 | 0 | 6 | 3/2001           | Nishioka et al.  | 725             | 51       |                            |
|   | 31 | 6  | 2 | 2 | 3 | 2 | 2 | 2 | 4/2001           | Fijolek et al.   | 709             | 227      |                            |
|   | 32 | 6  | 2 | 6 | 3 | 5 | 0 | 3 | 6/2001           | Margulis         | 725             | 81       |                            |
|   | 33 | 6  | 2 | 6 | 6 | 3 | 3 | 9 | 7/2001           | Donahue et al.   | 370             | 432      |                            |
|   | 34 | 6  | 2 | 7 | 1 | 8 | 3 | 7 | 8/2001           | Naiff            | 345             | 327      |                            |
|   | 35 | 6  | 2 | 7 | 2 | 6 | 8 | 1 | 8/2001           | Henderson        | 725             | 126      |                            |
| TD  | 36 | 6  | 2 | 7 | 5 | 9 | 8 | 9 | 8/2001           | Broadwin et al.  | 725             | 37       |                            |
| <b>FOREIGN PATENT DOCUMENTS</b>   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
|   |    | DOCUMENT NUMBER  |   |   |   |   |   |   | DATE             | COUNTRY          | CLASS           | SUBCLASS | TRANSLATION                |
|   |    |  |   |   |   |   |   |   |                  |                  |                 |          | YES                        |
|   |    |  |   |   |   |   |   |   |                  |                  |                 |          | NO                         |
| RECEIVED<br>FEB 27 2002<br>Technology Center 2600   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
|   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
|   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
|   |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |
| EXAMINER  |    | <i>ml Jmz</i>  |   |   |   |   |   |   | DATE CONSIDERED  |                  | 10/22/04        |          |                            |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant. |    |  |   |   |   |   |   |   |                  |                  |                 |          |                            |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

|                        |                      |
|------------------------|----------------------|
| Application Number     | 09/838,781           |
| Filing Date            | April 20, 1001       |
| First Named Inventor   | Hank J. HUNDEMER     |
| Art Unit               | Unassigned 2666      |
| Examiner Name          | Unassigned DURKEE, T |
| Attorney Docket Number | 76539.0043           |

**U.S. PATENT DOCUMENTS**

| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Document Number<br>Number - Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------------------|-----------------------|---|--------------------------------|--|---|
| TD                             | A1                    | US- 5,729,549   | 03-17-1998                     | Kostreski et al.                                   | —   |
| TD                             | B1                    | US- 5,794,116   | 08-11-1998                     | Matsuda et al.                                     | —   |
| TD                             | C1                    | US- 5,995,726   | 11-30-1999                     | Dillon   | —   |
| TD                             | D1                    | US- 6,058,422   | 05-02-2000                     | Ayanoglu et al.                                    | —   |
|                                | E1                    | US-   |                                |  |   |
|                                | F1                    | US-   |                                |  |   |
|                                | G1                    | US-   |                                |  |   |
|                                | H1                    | US-   |                                |  |   |
|                                | I1                    | US-   |                                |  |   |
|                                | J1                    | US-   |                                |  |   |
|                                | K1                    | US-   |                                |  |   |
|                                | L1                    | US-   |                                |  |   |
|                                | M1                    | US-   |                                |  |   |
|                                | N1                    | US-   |                                |  |   |
|                                | O1                    | US-   |                                |  |   |
|                                | P1                    | US-   |                                |  |   |
|                                | Q1                    | US-   |                                |  |   |
|                                | R1                    | US-   |                                |  |   |
|                                | S1                    | US-   |                                |  |   |
|                                | T1                    | US-   |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Foreign Patent Document  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|--------------------------------|-----------------------|--|--------------------------------|--|---|----------------|
|                                |                       | Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                                | FA1                   |  |                                |  |   |                |
|                                | FA2                   |  |                                |  |   |                |
|                                | FA3                   |  |                                |  |   |                |
|                                | FA4                   |  |                                |  |   |                |
|                                | FA5                   |  |                                |  |   |                |
|                                | FA6                   |  |                                |  |   |                |
|                                | FA7                   |  |                                |  |   |                |
|                                | FA8                   |  |                                |  |   |                |
|                                | FA9                   |  |                                |  |   |                |
|                                | FA10                  |  |                                |  |   |                |

Examiner Signature

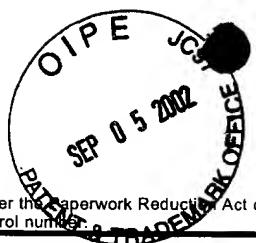
Date Considered

10/22/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031

|  |   |                          |                       |
|--|---|--------------------------|-----------------------|
| Substitute for form 1449B/PTO  |   | <b>Complete if Known</b> |                       |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |   | Application Number       | 09/838,781            |
|  |   | Filing Date              | April 19, 2002        |
|  |   | First Named Inventor     | Hank J. HUNDEMER      |
|  |   | Group Art Unit           | Unassigned - 2666     |
|  |   | Examiner Name            | Unassigned - DVONL, F |
| Sheet  | 2 | of                       | 2                     |
|  |   | Attorney Docket Number   |                       |

#### **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. 1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 |
|-----------------------|---------------|---|----|
| <i>PD</i>             |               | Copy of PCT International Search Report dated July 3, 2002.   |    |

|                       |  |       |                    |          |
|-----------------------|--|-------|--------------------|----------|
| Examiner<br>Signature |  | ML 02 | Date<br>Considered | 10/22/04 |
|-----------------------|--|-------|--------------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.